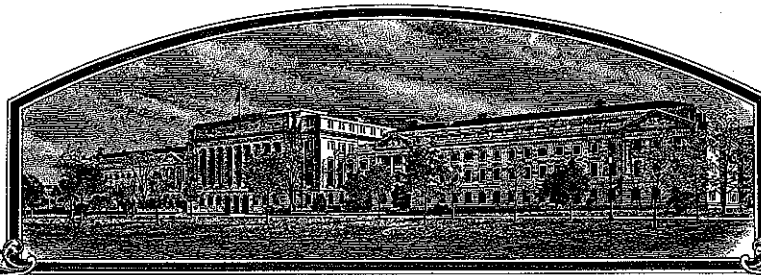


No.

200700004



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Enza Zaden Beheer B. V.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

LETTUCE

'Chistera'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this sixteenth day of May, in the year two thousand and eight.

Attest:

[Signature]

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

[Signature]
Secretary

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

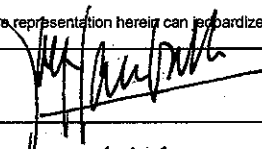
Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER ENZA ZADEN BEHEER B.V.		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME E19.2586		3. VARIETY NAME CHISTERA	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) P.O. Box 7, 1600 AA ENKHUIZEN HALING 1^e, 1602 DB ENKHUIZEN THE NETHERLANDS		5. TELEPHONE (include area code) +31.228.315.844		FOR OFFICIAL USE ONLY PVPO NUMBER 200700004 FILING DATE October 6, 2006	
		6. FAX (include area code) +31.228.315.854			
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) CORPORATION		8. IF INCORPORATED, GIVE STATE OF INCORPORATION NOORD - HOLLAND		9. DATE OF INCORPORATION 1938	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) ENZA ZADEN RESEARCH USA, INC ATTN: AERNOUDT AARDSE, MONIA SKRASYNIARZ P.O. Box 866 SAN JUAN BAPTISTA, CA 95045				F E E S R E C E I V E D FILING AND EXAMINATION FEES: \$ 4,382- DATE 10/6/2006 CERTIFICATION FEE: \$ 768- DATE 3/9/2008	
11. TELEPHONE (Include area code) 831-623-4644		12. FAX (Include area code) 831-623-1746		13. E-MAIL a.aardse@coastalseeds.com	
14. CROP KIND (Common Name) LETTUCE		16. FAMILY NAME (Botanical) COMPOSITAE		18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.	
15. GENUS AND SPECIES NAME OF CROP LACTUCA SATIVA L.		17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Exhibit F. Declaration Regarding Deposit g. <input checked="" type="checkbox"/> Voucher Sample (3,000 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) h. <input checked="" type="checkbox"/> Filing and Examination Fee (\$4,382, made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)				20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input checked="" type="checkbox"/> NO (If "no", go to item 23) 21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED 22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO October 7, 2005 IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)				24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	

25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER 		SIGNATURE OF OWNER	
NAME (Please print or type) J.J.M. LAMBALLE		NAME (Please print or type)	
CAPACITY OR TITLE DIRECTOR R&D	DATE 10/04/2006	CAPACITY OR TITLE	DATE

(See reverse for instructions and information collection burden statement)

GENERAL INSTRUCTIONS: To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). **NEW:** With the application for a seed reproduced variety or by direct deposit soon after filing, the applicant must provide at least 3,000 viable untreated seeds of the variety *per se*, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

Plant Variety Protection Office
Telephone: (301) 504-5518 **FAX:** (301) 504-5291
General E-mail: PVPOmail@usda.gov
Homepage: <http://www.ams.usda.gov/science/pvpo/PVPindex.htm>

SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and **provide evidence** that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, **Seed Regulatory and Testing Branch**, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. <http://www.ams.usda.gov/lsg/seed.htm>.

ITEM

- 19a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
 (2) the details of subsequent stages of selection and multiplication;
 (3) evidence of uniformity and stability; and
 (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 (1) identify these varieties and state all differences objectively;
 (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

SEE ADDENDUM PVP APPLICATION FORM

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

SEE ADDENDUM PVP APPLICATION FORM

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Addendum
Form Application for Plant Variety Protection Certificate

Ad Paragraph 23: Dates of first sale and countries of lettuce variety Chistera

USA	October 7, 2005
France	October, 2004
United Kingdom	February, 2005
Sweden	March, 2005
Netherlands	March, 2005
New Zealand	May, 2005
Belgium	May, 2005
Germany	January, 2006

Ad Paragraph 24: Intellectual property right information of Chistera and components

Chistera:

Europe - B list, instance NAK, application date 03/31/2004, application # SLA1488-15284, registration # TRCJZ/2006/29029, year 2006

Rustica:

Europe - B list, instance NAK, application date 01/10/2000, application # SLA2245-12327, registration # 26777, year 2001

Klausia:

Europe - A list, instance EURO, application date 07/09/1997, application # 1997/0781, registration # EU 05687, year 1999

Europe - B list, instance NAK, application date 12/10/1996, application # 10257, registration # J98460, year 1998

Exhibit A – Origin and Breeding History

Lettuce variety: CHISTERA

Origin

CHISTERA is derived from a cross made in June 2000 between the Lollo Rossa 'Klausia' and the Red leaf 'Rustica'.

The Lollo Rossa 'Klausia' is resistant to European *Bremia lactucae* races Bl: 1-20, 22-24.

The Red leaf 'Rustica' is resistant to European *Bremia lactucae* races Bl: 1-16, 21, 23.

The objective of this cross was to develop a Red leaf line combining both resistant factors for resistance to *Bremia lactucae* races Bl: 1-16, 18-24.

CHISTERA (experimental code E19.2586) is a dark red leaf lettuce resistant to European *Bremia lactucae* races Bl: 1-16, 18-24. It is used as a 'red Batavia' for baby leaf production, for year round harvests. It is white seeded.

The pedigree method of plant breeding using single plant and mass selection was employed to develop this variety

Breeding Stages

- F1: June 2000 : the cross was made between Klausia and Rustica.
July 2000 : seeds from this cross were sown and 10 plants transplanted for multiplication in a greenhouse at Enza Holland facilities –Enkhuizen. Those plants were harvested in bulk in December 2000 under the F2 line number 42 815.
- F2 : Seeds of the **F2 line 42815** were sown in peat blocks in February 2001 and transplanted 6 weeks after, in a selection field in the Enza France facilities in Allonnes (France). A single plant selection of 17 Red leaf- like plants was made in **June 2001**. Selected plants were transferred in a plastic tunnel greenhouse in Enza-France facility for seed multiplication. Bioassays from leaf discs of those plants were done for resistance to *Bremia* races Bl:18 and Bl:21. Five (5) plants were resistant, and seeds of them harvested individually in September 2001, providing seeds of the F3 generation.
- F3: Seeds of those F3 lines were sown in peat blocks in October 2001 in Australia and transplanted early November 2001 in a breeding nursery in Griffith (New South Wales, Australia). Evaluation has been done at fully mature stage in **December 2001**. **F3 line e 0136451** showed the best colour and leaf type. Ten (10) plants were selected in this line, defoliated and left in the field for a seed multiplication. Seeds of those plants were harvested individually, in February 2002, providing seeds of the F4 generation. Each lot was tested on seedlings for *Bremia* race Bl: 18 and Bl:21. Two (2) of them were uniformly resistant.
- F4: Seeds of those F4 lines were sown in peat blocks in march 2002 and transplanted 5 weeks after in a selection field in the Enza France facilities in Allonnes (France). Evaluation has been done at fully mature stage **end of may 2002**. **F4 line 0230632** showed the best colour and leaf type. Two (2) plants were selected in this line and transferred in a plastic tunnel greenhouse in Enza-France facility for seed multiplication. Bioassays from leaf discs of those plants were done for resistance to *Bremia* race Bl:18. Plants were resistant, and seeds of them harvested individually in September 2002, providing seeds of the F5 generation.
- F5: Seeds of those two F5 lines were sown in peat blocks in October 2002 in Australia and transplanted early November 2002 in a breeding nursery in Griffith (New South Wales, Australia). Evaluation has been done at fully mature stage in **December 2002**. **F5 line 0238340** showed the best uniformity, colour and leaf type. Five (5) plants were selected in this line, defoliated and left in the field for a seed multiplication. Seeds of those plants were harvested in February 2003, providing seeds of the F6 generation. Each lot was tested on seedlings for *Bremia* race Bl: 18. All of them were uniformly resistant.
- F6: Seeds of those F6 lines were sown in peat blocks in February 2003 and transplanted 6 weeks after in a selection field in the Enza France facilities in Allonnes (France). Evaluation has been done at fully mature stage in **may 2003**. **F6 line e 0332586** showed the best uniformity, colour and leaf type. This line was coded as the **new experimental variety E19.2586**. Seeds of this F6 line 0332586 were sown for commercial seed production in Griffith (New South Wales, Australia) in October 2003.

200700004

revised

European registration of the variety was started in march 2004 by an application file submitted at the Naktuinbouw in Holland. The name of 'CHISTERA' was proposed for the experimental number E19.2586.

Chistera has been evaluated in extensive trials in lettuce baby leaf growing areas in Europe, California and Arizona.

The variety Chistera has been observed since 2003, for 7 generations of reproduction and during the seed increase period; and was stable and uniform. 0% of variants have been observed in our selection and seed production fields.

Exhibit B - Statement of Distinctiveness**Lettuce variety: CHISTERA**

Chistera is a white seeded, non-heading, dark red leaf lettuce developed for year-round baby leaf production.

Chistera closely resembles Mendoza and Galactic, however, can be distinguished for the following characteristics:

- 1) Chistera is resistant to European *Bremia lactucae* races Bl: 1-16, 18-24 while both Mendoza and Galactic are resistant to races Bl: 1-16, 21 and 23.
- 2) Chistera is resistant to California *Bremia lactucae* races CAVII and CAVIII while both Mendoza and Galactic are susceptible to races CAVII and CAVIII.
- 3) Chistera has a longer leaf size compared to Galactic, while Galactic has a broader leaf size compared to Chistera.
- 4) Chistera is faster bolting compared to Galactic.
- 5) Chistera is slower bolting compared to Mendoza.

Chistera has a red intense color resembling 187A of the RHS color chart.

200700009

- Chistera

Scoring Downy Mildew (*Bremia Lactucae*)Leaf disk test *Bremia Lactucae*, CA VII isolate, San Juan Bautista, CA

3 leaf samples per plant, inoculation: 7/20/2006, final reading: 7/31/2006

Cultivar	total # plants	+	-	Result
Chistera	9	0	9	resistant
Galactic	9	9	0	susceptible
Mendoza	9	9	0	susceptible
Rustica	7	7	0	susceptible
Klausia	8	0	8	resistant

- no sporulation, + sporulation

Seedling test *Bremia Lactucae*, CA VII isolate (DM9-06), San Juan Bautista, CA

Inoculation: 03/08/2006, final reading: 03/24/2006

Cultivar	total # plants	+	-	Result
Chistera	16	0	16	resistant
Galactic (rep 1)	16	16	0	susceptible
Galactic (rep 2)	16	16	0	susceptible
Cobham Green (SC)	23	23	0	susceptible
RYT57D (RC)	20	0	20	resistant

- no sporulation, + sporulation

Leaf disk test *Bremia Lactucae*, CA VII isolate, San Juan Bautista, CA

3 leaf samples per plant, inoculation: 11/8/2006, final reading: 11/20/2006

Cultivar	total # plants	+	-	Result
Chistera (rep 1)	12	0	12	100% resistant
Chistera (rep 2)	12	0	12	100% resistant
Galactic (rep 1)	12	12	0	100% susceptible
Galactic (rep 2)	12	12	0	100% susceptible
Mendoza (rep 1)	12	12	0	100% susceptible
Mendoza (rep 2)	12	12	0	100% susceptible
Klausia	12	0	12	100% resistant
Rustica	12	12	0	100% susceptible

- no sporulation, + sporulation

Seedling test *Bremia Lactucae*, CA VII isolate, San Juan Bautista, CA

Inoculation: 12/5/2006, final reading: 12/20/2006

Cultivar	total # plants	+	-	Result
Chistera (rep 1)	15	0	15	100% resistant
Chistera (rep 2)	16	0	16	100% resistant
Chistera (rep 3)	16	0	16	100% resistant
Mendoza (rep 1)	16	16	0	100% susceptible
Mendoza (rep 2)	15	15	0	100% susceptible
Galactic (rep 1)	16	16	0	100% susceptible
Galactic (rep 2)	16	16	0	100% susceptible
Klausia (rep 1)	16	0	16	100% resistant
Klausia (rep 2)	14	0	14	100% resistant
Rustica (rep 1)	15	15	0	100% susceptible
Rustica (rep 2)	15	15	0	100% susceptible

- no sporulation, + sporulation

200700004

- Chistera - continue
Scoring Downy Mildew (*Bremia Lactucae*)

Seedling test *Bremia Lactucae*, CA VIII isolate, San Juan Bautista, CA
inoculation: 1/30/2007, final reading: 2/7/2007

Cultivar	total # plants	+	-	Result
Chistera (rep 1)	16	0	16	100% resistant
Chistera (rep 2)	15	0	15	100% resistant
Chistera (rep 3)	13	0	13	100% resistant
Mendoza (rep 1)	13	13	0	100% susceptible
Mendoza (rep 2)	14	14	0	100% susceptible
Galactic (rep 1)	16	16	0	100% susceptible
Galactic (rep 2)	16	16	0	100% susceptible
Klausia (rep 1)	15	2	13	87% resistant
Klausia (rep 2)	15	0	15	100% resistant
Rustica (rep 1)	16	16	0	100% susceptible
Rustica (rep 2)	16	16	0	100% susceptible

- no sporulation, + sporulation

Seedling test *Bremia Lactucae*, CA VIII isolate, San Juan Bautista, CA
inoculation: 9/4/2007, final reading: 9/12/2007

Cultivar	total # plants	+	-	Result
Chistera	16	0	16	100% resistant
Mendoza	15	15	0	100% susceptible
Galactic	15	15	0	100% susceptible

- no sporulation, + sporulation

- Chistera

Scoring Downy Mildew (*Bremia Lactucae*)**Leaf disk test *Bremia Lactucae*, CA VII isolate****3 leaf samples per plant, inoculation: 7/20/2006, final reading: 7/31/2006**

Cultivar	total # plants	+	-	Result
Chistera	9	0	9	resistant
Galactic	9	9	0	susceptible
Mendoza	9	9	0	susceptible
Rustica	7	7	0	susceptible
Klausia	8	0	8	resistant

- no sporulation, + sporulation

Seedling test *Bremia Lactucae*, CA VII isolate (DM9-06)**inoculation: 03/08/2006, final reading: 03/24/2006**

Cultivar	tot # plants	+	-	Result
Chistera	16	0	16	resistant
Galactic (rep 1)	16	16	0	susceptible
Galactic (rep 2)	16	16	0	susceptible
Cobham Green (SC)	23	23	0	susceptible
RYT57D (RC)	20	0	20	resistant

- no sporulation, + sporulation

Seedling test *Bremia Lactucae*, CA VIII isolate**IN TEST**

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY
Lettuce (*Lactuca sativa* L.)

NAME OF APPLICANT (S) EN2A ZADEN BEHEER B.V.	TEMPORARY OR EXPERIMENTAL DESIGNATION E19.2586	VARIETY NAME CHISTERA
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country) HALING 1^E, 1602 DB ENKHUIZEN PO BOX 7, 1600 AA ENKHUIZEN THE NETHERLANDS		FOR OFFICIAL USE ONLY VPPO NUMBER 2007 000004

Place the appropriate number that describes the varietal character in the boxes below. Place a zero in the first box (e.g. or) when number is either 99 or less or 9 or less. Measured data should be the mean of an appropriate number (at least 20) of well space plants. Royal Horticultural Society or any recognized color standard may be used to determine plant colors.

The Location of the Test Area is:

SAN JUAN BAPTISTA, CALIFORNIA

Color System Used:

RHS 187A

SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK VARIETIES IN THIS APPLICATION: Use standard regional check varieties, which are adapted to your area. One of the comparison varieties must be the most similar variety used in Exhibit B.

Application Variety (a1) **CHISTERA** Most Similar Variety (c1) **MENDOZA**

Standard Regional Check Variety (c2) **GALACTIC**

1. PLANT TYPE: (See List of Suggested Check Varieties on Page 8)

01 = Cutting/Leaf
02 = Butterhead
03 = Bibb

04 = Cos or Romaine
05 = Great Lakes Group
06 = Vanguard Group

07 = Salinas Group
08 = Eastern (Ithaca) Group
09 = Stem

10 = Latin
11 = Other (Specify) _____

(a1) (c1) (c2)

2. SEED:

(a1) } COLOR
(c1) } 1 = White (Silver Gray)
(c2) } 2 = Black (Grey Brown)
3 = Brown (Amber)

(a1) } LIGHT DORMANCY
(c1) } 1 = Light Required
(c2) } 2 = Light Not Required

(a1) } HEAT DORMANCY
(c1) } 1 = Susceptible
(c2) } 2 = Not Susceptible

3. COTYLEDON TO FOURTH LEAF STAGE: NOTE: Provide a color photograph or photocopy of the fourth leaf from 20 day-old seedling grown under optimal conditions.

SHAPE OF COTYLEDONS: 1 = Broad

2 = Intermediate

3 = Spatulate

(a1) (c1) (c2)

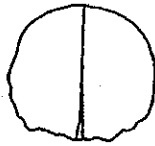
SHAPE OF FOURTH LEAF:

(a1) (c1) (c2)

3. COTYLEDON TO FOURTH LEAF STAGE: (continued)



1. Transverse oval



2. Round



3. Oval



4. Elongated



5. Lanceolate



6. Pinnately lobed

LENGTH/WIDTH INDEX OF FOURTH LEAF: L/W x 10

(a1) 22(c1) 19(c2) 17

APICAL MARGIN:

 1 = Entire
 2 = Crenate/Gnawed
 3 = Finely Dentate

 4 = Moderately Dentate
 5 = Coarsely Dentate
 6 = Incised

 7 = Lobed
 8 = Other (Specify) _____
(a1) 3(c1) 3(c2) 3

BASAL MARGIN: (Use the options for Apical Margin above)

(a1) 4(c1) 4(c2) 4

UNDULATION:

1 = Flat

2 = Slight

3 = Medium

4 = Marked

(a1) 3(c1) 3(c2) 3

GREEN COLOR:

 1 = Yellow Green
 2 = Light Green

 3 = Medium Green
 4 = Dark Green

 5 = Blue Green
 6 = Silver Green

7 = Grey Green

(a1) /(c1) /(c2) /

ANTHOCYANIN:

DISTRIBUTION:

 1 = Absent
 2 = Margin Only

 3 = Spotted
 4 = Throughout

5 = Other (Specify) _____

(a1) 4(c1) 4(c2) 4

CONCENTRATION:

1 = Light

2 = Moderate

3 = Intense

(a1) 3(c1) 3(c2) 3

ROLLING:

1 = Absent

2 = Present

(a1) 1(c1) 1(c2) 1

CUPPING:

1 = Uncupped

2 = Slight

3 = Markedly

(a1) 2(c1) 2(c2) 2

REFLEXING:

1 = None

2 = Apical Margin

3 = Lateral Margins

(a1) 1(c1) 1(c2) 1

4. MATURE LEAVES (Observe Harvest-Mature Outer Leaves)

NOTE: Provide color photo of a harvest-mature leaf which accurately shows color and margin characteristics.

MARGIN:**INCISION DEPTH:**
(deepest penetration
of the margin)

1 = Absent/Shallow (Dark Green Boston)

2 = Moderate (Vanguard)

3 = Deep (Great Lakes 659)

(a1)

(c1)

(c2)

INDENTATION: (Finest divisions of the margin)

1 = Entire (Dark Green Boston)

4 = Crenate (Vanguard)

2 = Shallowly Dentate (Great Lakes 65)

5 = Other (Specify) _____

3 = Deeply Dentate (Great Lakes 659)

(a1)

(c1)

(c2)

**UNDULATIONS OF THE
APICAL MARGIN:**

1 = Absent/Slight (Dark Green Boston) 2 = Moderate (Vanguard)

3 = Strong (Great Lakes 659)

(a1)

(c1)

(c2)

GREEN COLOR:

1 = Very Light Green (Bibb)

3 = Medium Green (Great Lakes)

5 = Very Dark Green

2 = Light Green (Minetto)

4 = Dark Green (Vanguard)

6 = Other (Specify) _____

(a1)

(c1)

(c2)

ANTHOCYANIN:**DISTRIBUTION:**

1 = Absent

3 = Spotted (California Cream Butter)

5 = Other (Specify) _____

2 = Margin Only (Big Boston)

4 = Throughout (Prize Head)

(a1)

(c1)

(c2)

CONCENTRATION:

1 = Light (Iceberg)

2 = Moderate (Prize Head) 3 = Intense (Ruby)

(a1)

(c1)

(c2)

SIZE:

1 = Small

2 = Medium

3 = Large

(a1)

(c1)

(c2)

GLOSSINESS:

1 = Dull (Vanguard)

2 = Moderate (Salinas)

3 = Glossy (Great Lakes)

(a1)

(c1)

(c2)

BLISTERING:1 = Absent/Slight
(Salinas)2 = Moderate
(Vanguard)3 = Strong
(Prize Head)

(a1)

(c1)

(c2)

LEAF THICKNESS:

1 = Thin

2 = Intermediate

3 = Thick

(a1)

(c1)

(c2)

TRICHOMES:

1 = Absent (Smooth)

2 = Present (Spiny)

(a1)

(c1)

(c2)

5. PLANT:**SPREAD OF FRAME LEAVES:**

(a1)

cm

(c1)

cm

(c2)

cm

5. PLANT: (continued)

~~PLANT~~
HEAD DIAMETER: (Market Trimmed with Single Cap Leaf)

(a1) cm(c1) cm(c2) cm~~PLANT~~

HEAD SHAPE:

1 = Flattened

2 = Slightly Flattened

3 = Spherical

4 = Elongate

5 = Non-Heading

6 = Other (Specify) _____

(a1) (c1) (c2) ~~PLANT~~

HEAD SIZE CLASS:

1 = Small

2 = Medium

3 = Large

(a1) (c1) (c2)

HEAD PER CARTON:

(a1) (c1) (c2) ~~PLANT~~

HEAD WEIGHT:

(a1) g.(c1) g.(c2) g.

HEAD FIRMNESS:

1 = Loose

2 = Moderate

3 = Firm

4 = Very Firm

(a1) (c1) (c2)

6. BUTT:

SHAPE:

1 = Slightly Concave

2 = Flat

3 = Rounded

(a1) (c1) (c2)

MIDRIB:

1 = Flattened (Salinas)

2 = Moderately Raised

3 = Prominently Raised (Great Lakes 659)

(a1) (c1) (c2)

7. CORE:

DIAMETER AT BASE OF HEAD:

(a1) mm(c1) mm(c2) mm

RATIO OF HEAD DIAMETER/CORE DIAMETER:

(a1) (c1) (c2)

CORE HEIGHT FROM BASE OF HEAD TO APEX:

(a1) mm(c1) mm(c2) mm

8. BOLTING: (Give First Water Date: 05/20/2006) NOTE: First Water Date is the date seed first receives adequate moisture to germinate. This can and often does equal the planting date.

NUMBER OF DAYS FROM FIRST WATER DATE TO SEED STALK EMERGENCE: (summer conditions)

(a1) (c1) (c2)

BOLTING CLASS:

1 = Very Slow

3 = Medium

5 = Very Rapid

2 = Slow

4 = Rapid

(a1) (c1) (c2)

HEIGHT OF MATURE SEED STALK:

(a1) cm (c1) cm (c2) cm

8. BOLTING: (continued)

SPREAD OF BOLTER PLANT: (At widest point)

(a1) cm (c1) cm (c2) cm

BOLTER LEAVES: 1 = Straight 2 = Curved

(a1) (c1) (c2)

MARGIN: 1 = Entire 2 = Dentate

(a1) (c1) (c2)

COLOR: 1 = Light Green 2 = Medium Green 3 = Dark Green 4 = RED

(a1) (c1) (c2)

BOLTER HABIT:

TERMINAL INFLORESCENCE: 1 = Absent 2 = Present

(a1) (c1) (c2)

LATERAL SHOOTS: 1 = Absent 2 = Present

(a1) (c1) (c2)

BASAL SIDE SHOOTS: 1 = Absent 2 = Present

(a1) (c1) (c2)

9. MATURITY: (earliness of harvest-mature head formation)

NOTE: Complete this section for at least one season.

SEASON	APPLICATION VARIETY No. of Days ¹			MOST SIMILAR VARIETY No. of Days ¹			STANDARD REGIONAL CHECK VARIETY No. of Days ¹		
Spring									
Summer	<input type="text" value="58"/>	<input type="text" value="26"/>	<input type="text" value="23"/>	<input type="text" value="59"/>	<input type="text" value="26"/>	<input type="text" value="23"/>	<input type="text" value="61"/>	<input type="text" value="-"/>	<input type="text" value="-"/>
Fall									
Winter	<input type="text" value="36"/>	<input type="text" value="34"/>		<input type="text" value="36"/>	<input type="text" value="34"/>		<input type="text" value="-"/>	<input type="text" value="-"/>	

¹First Water Date to Harvest

Give Planting Date(s) and Location(s):

Spring:

Summer: 1) SAN JUAN BAPTISTA, CA 05/20/06 ^{MATURE STAGE} 2) GONZALES, CA 06/16/06 ^{BABY STAGE} 3) SAN JUAN BAPTISTA, CA 06/23/06 ^{BABY STAGE}

Fall:

Winter: 1) KING CITY, CA 02/20/06 ^{BABY STAGE} 2) SAN LUCAS 02/28/06 ^{BABY STAGE}

10. ADAPTATION:

PRIMARY REGIONS OF ADAPTATION (tested and proven adapted):

0 = Not Tested 1 = Not Adapted 2 = Adapted

<input type="text" value="2"/> Southwest (CA and/or AZ desert)	<input type="text" value="2"/> West Coast	<input type="text" value="2"/> Northeast
<input type="text" value="0"/> North Central	<input type="text" value="0"/> Southeast	<input type="text" value=""/> Other (Specify) _____

10. ADAPTATION: (Continued)

SEASON:

2 Spring (Area SOUTH-WEST, WEST COAST)2 Fall (Area WEST COAST, NORTH-EAST)2 Summer (Area WEST COAST, NORTH-EAST)2 Winter (Area SOUTH-WEST, WEST COAST)0 GREENHOUSE: 0 = Not Tested 1 = Not Adapted 2 = Adapted3 SOIL TYPE: 1 = Mineral 2 = Organic 3 = Both

11. VIRAL DISEASES:

1 = Immune 3 = Resistant 5 = Moderately Resistant/Moderately Susceptible 7 = Susceptible 9 = Highly Susceptible

Big Vein	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>	<i>0 = NOT TESTED</i>
Lettuce Mosaic	(a1)	<u>7</u>	(c1)	<u>7</u>	(c2)	<u>7</u>	
Cucumber Mosaic	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>	
Tomato Bushy Stunt, cause of dieback	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>	
Turnip Mosaic	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>	
Beet Western Yellows	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>	
Lettuce Infectious Yellows	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>	
Other (Specify) _____	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>	

12. FUNGAL/BACTERIAL DISEASES:

1 = Immune 3 = Resistant 5 = Moderately Resistant/Moderately Susceptible 7 = Susceptible 9 = Highly Susceptible

Corky Root Rot (Races: _____)	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>
Downy Mildew <u>CA VII, VIII</u> (Races: _____)	(a1)	<u>3</u>	(c1)	<u>7</u>	(c2)	<u>7</u>
Powdery Mildew	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>
Sclerotinia Drop	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>
Bacterial Soft Rot (<i>Pseudomonas</i> spp. and others)	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>
Botrytis (Grey Mold)	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>
Verticillium Wilt	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>
Bacterial Leaf Spot	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>
Anthrachnose	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>
Other (Specify) _____	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>

13. INSECTS:

1 = Immune 3 = Resistant 5 = Moderately Resistant/Moderately Susceptible 7 = Susceptible 9 = Highly Susceptible

Cabbage Loopers	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>
Root Aphids	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>
Green Peach Aphid	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>
Lettuce Aphid	(a1)	<u>0</u>	(c1)	<u>0</u>	(c2)	<u>0</u>

Pea Leafminer	(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>
Other (Specify) _____	(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>

14. PHYSIOLOGICAL STRESSES:

	1 = Immune	3 = Resistant	5 = Moderately Resistant/Moderately Susceptible	7 = Susceptible	9 = Highly Susceptible		
Tipburn		(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>
Heat		(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>
Drought		(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>
Cold		(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>
Salt		(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>
Brown Rib (Rib Discoloration, Rib Blight)		(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>
Other (Specify) _____		(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>

15. POST HARVEST STRESS:

	1 = Immune	3 = Resistant	5 = Moderately Resistant/Moderately Susceptible	7 = Susceptible	9 = Highly Susceptible		
Pink Rib		(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>
Russet Spotting		(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>
Rusty Brown Discoloration		(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>
Internal Rib Necrosis (Blackheart, Grey Rib, Grey Streak)		(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>
Brown Stain		(a1)	<input type="text" value="0"/>	(c1)	<input type="text" value="0"/>	(c2)	<input type="text" value="0"/>

16. BIOCHEMICAL OR ELECTROPHORETIC MARKERS:

17. COMMENTS:

SUGGESTED CHECK VARIETIES

TYPE	CHECK VARIETY
1 Cutting/Leaf	Waldmann's Green
2 Butterhead	Dark Green Boston
3 Bibb	Bibb
4 Cos or Romain	Parris Island
5 Great Lakes Group	Great Lakes 659-700
6 Vanguard Group	Vanguard
7 Salinas Group	Salinas
8 Eastern Group	Ithaca
9 Stem	Celtuce
10 Latin	Little Gem

REFERENCES

- Bowring, J.D.C., 1969, "The Identification of Varieties of Lettuce (*Lactuca Sativa* L.)". Journal of the National Institute of Agricultural Botany 11:499-520. National Institute of Agricultural Botany, Cambridge, UK.
- Davis, R.M., K.V. Subbarao, R.N. Raid, and E.A. Kurtz, 1997. "Compendium of Lettuce Diseases". APS Press, St. Paul, MN.
- Michelmore, R.W., J. M. Norwood, D.S. Ingram, I.R. Crute and P. Nicholson. 1984. "The inheritance of virulence in *Bremia lactucae* to match resistance factors 3, 4, 5, 6, 8, 9, 10, and 11 in lettuce (*Lactuca sativa*)". Plant Pathology 32:176-177.
- Norwood, J.M., R.W. Michelmore, I.R. Crute and D.S. Ingram. 1983. "The inheritance of specific virulence of *Bremia lactucae* (Downy Mildew) to match R-factors 1, 2, 4, 6, and 11 in lettuce (*Lactuca sativa*)". Plant Pathology 32:176-177.
- Rodenburg, C.M., et al., 1960. "Varieties of Lettuce. An International Monograph", Instituut voor de Verdeling van Tuinbouwgewassen (IVT), Wageningen, NL.
- Ryder, E.J., 1999, *Lettuce, Endive, and Chicory*, CABI Publications, Wallingford, UK.

**Exhibit C – Chistera
Pictures**

Fourth True Leaf of Seedling Chistera

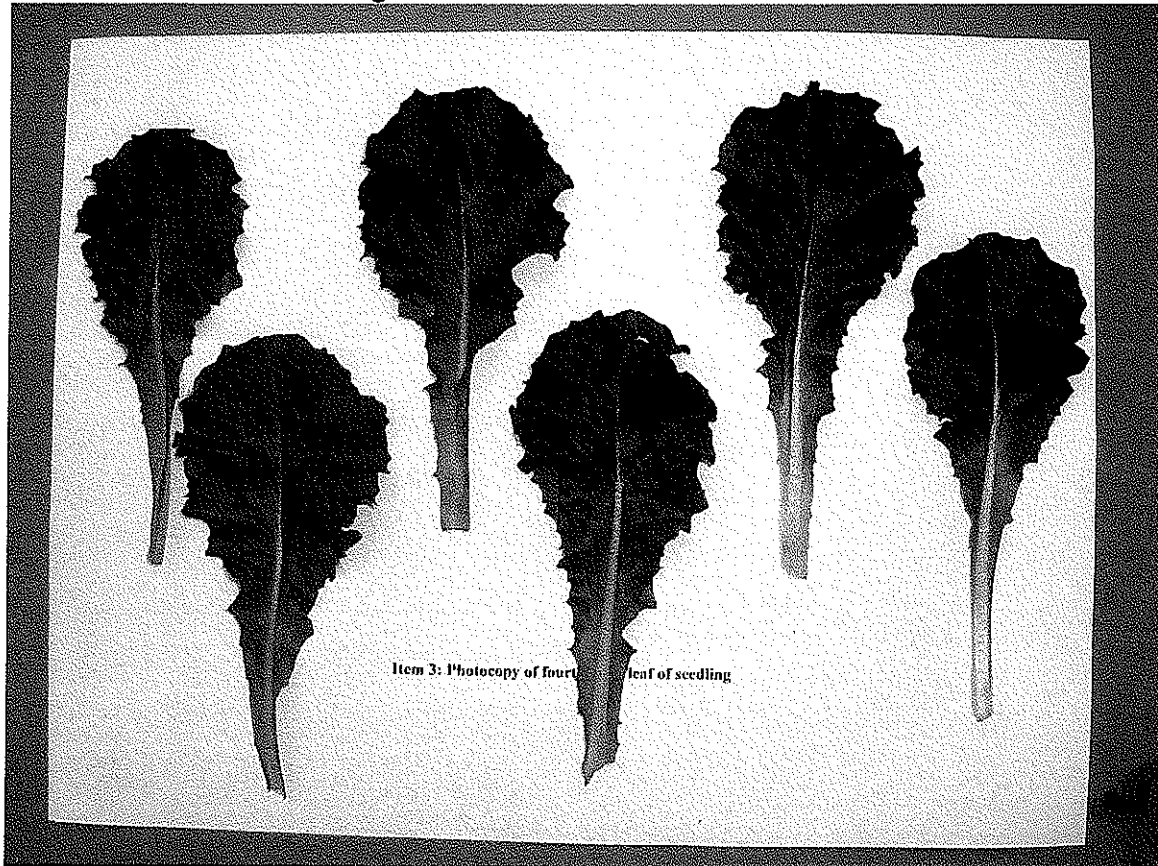
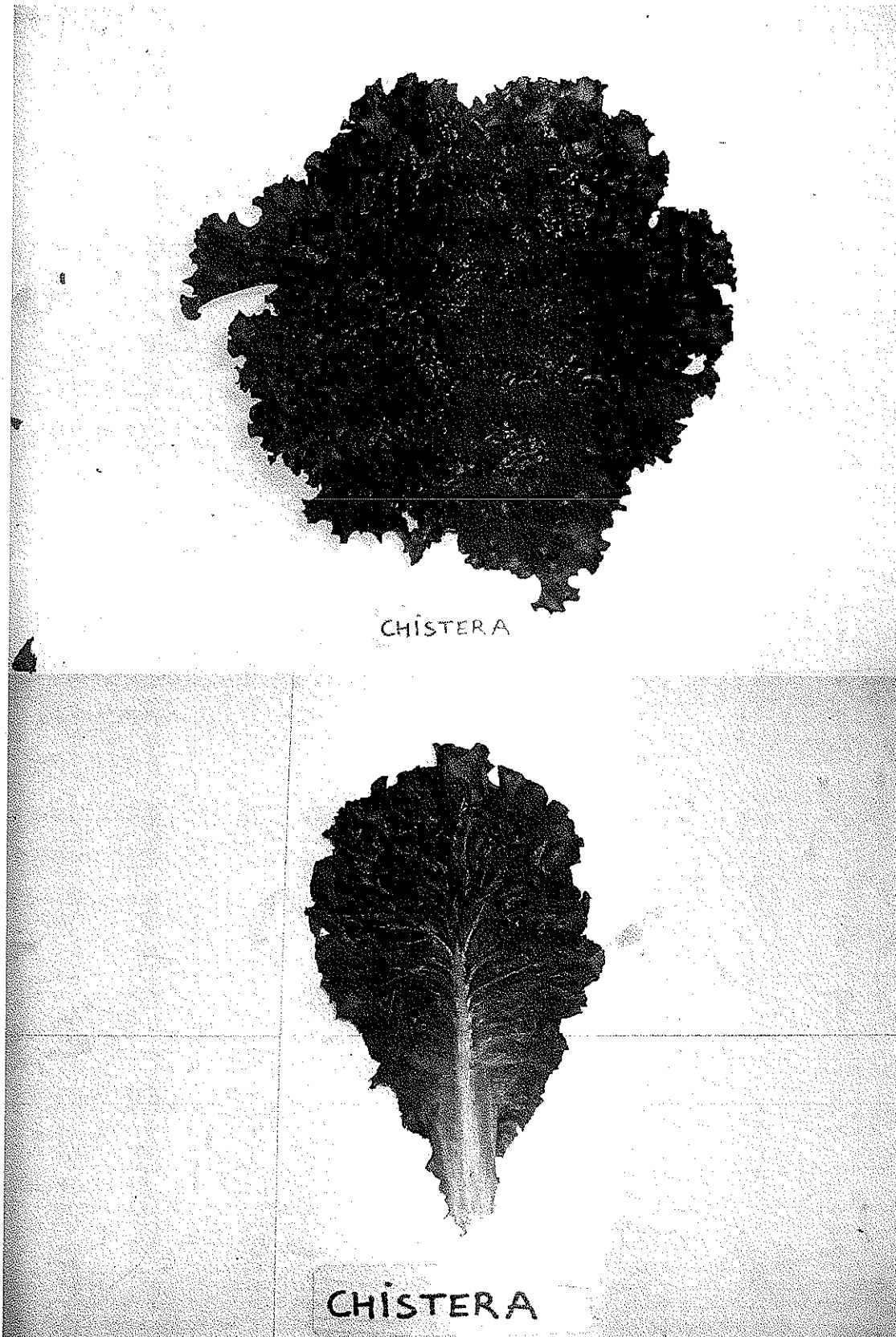


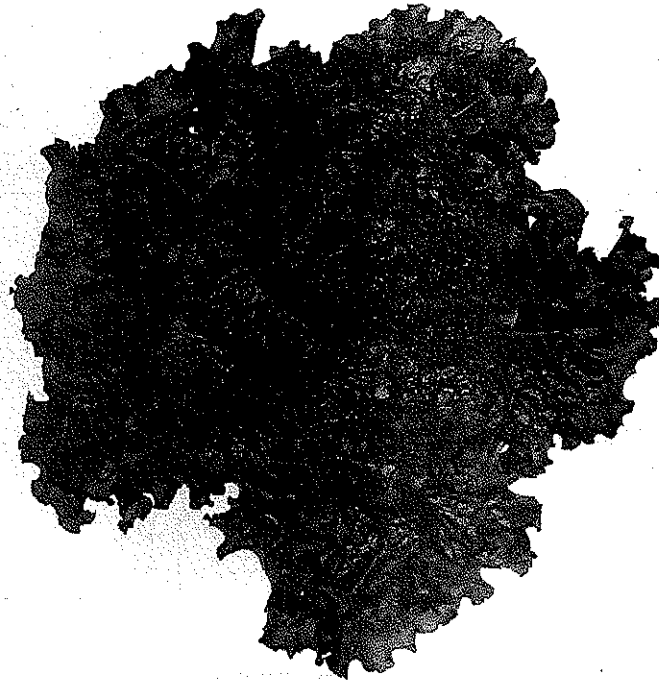
Exhibit C – Chistera
Pictures

Mature Plant and Leaf of Chistera

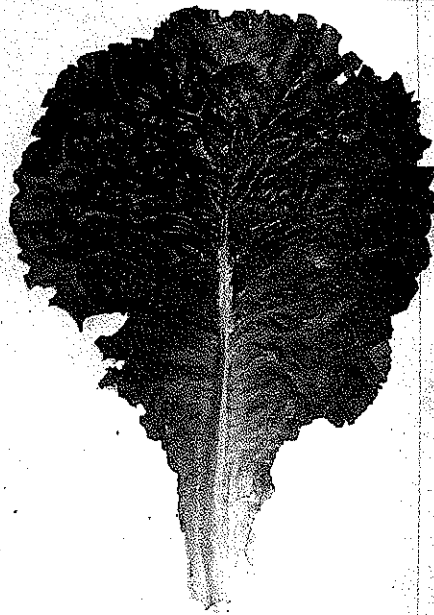


**Exhibit C – Chistera
Pictures**

Mature Plant and Leaf of Mendoza



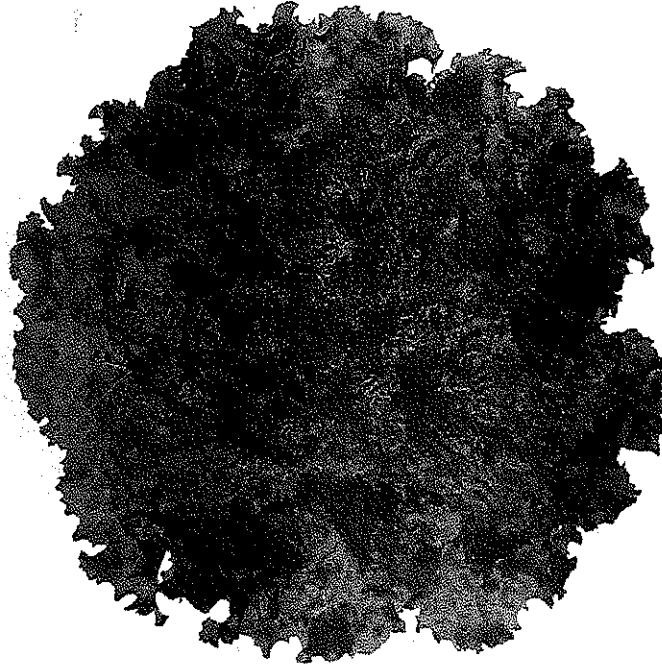
MENDOZA



MENDOZA

**Exhibit C – Chistera
Pictures**

Mature Plant and Leaf of Galactic



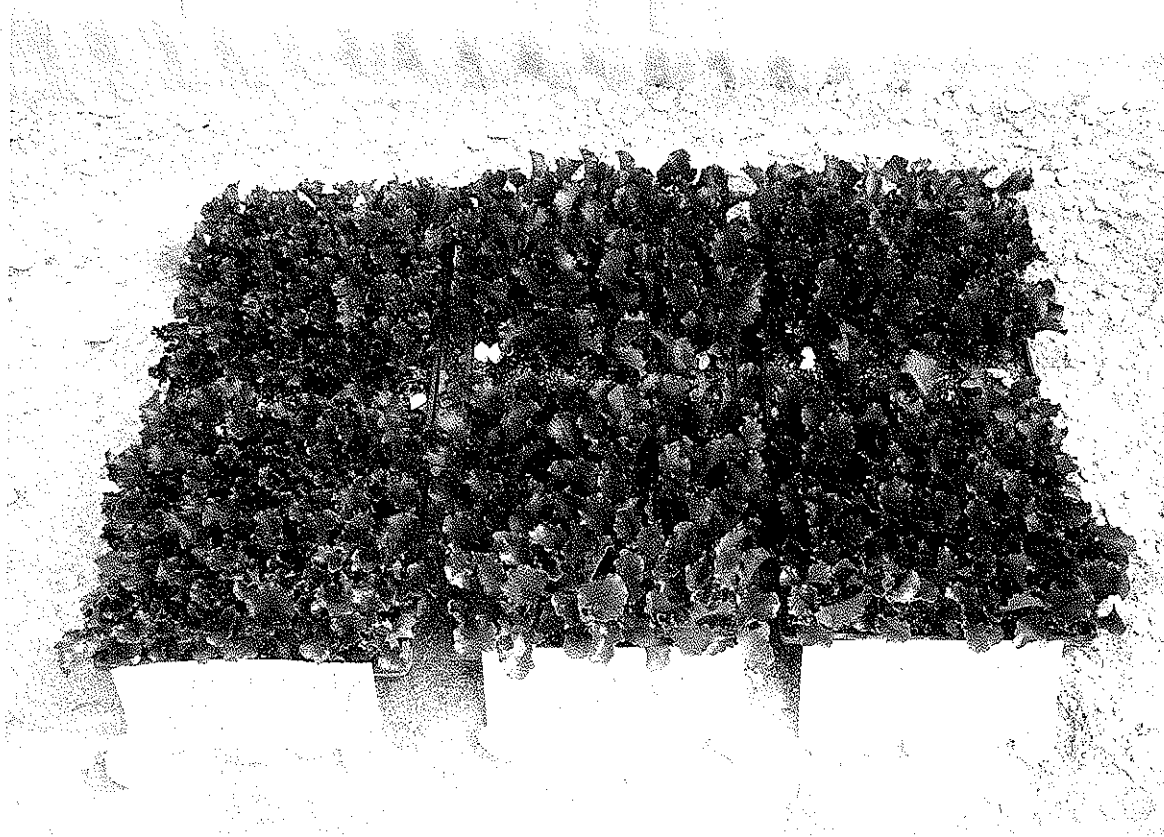
GALACTIC



GALACTIC

**Exhibit C – Chistera
Pictures**

Galactic (left), Chistera (center), and Mendoza (right) at baby leaf stage



- Chistera

Bolting measurements: Chistera, Mendoza, Galactic

Location San Juan Bautista, California (greenhouse)

sowing: 5/20/06

transplant: 6/09/06

Plt#	#Days Seed Stalk Emergence			Height Mature Seed Stalk (cm)			Spread of Bolter Plant (cm)		
	Chistera	Mendoza	Galactic	Chistera	Mendoza	Galactic	Chistera	Mendoza	Galactic
1	67	64	71	146.8	147.7	122.4	45.9	63.3	50.7
2	66	64	75	178.0	144.0	126.9	75.7	72.2	45.8
3	66	63	70	141.3	141.3	120.0	46.7	49.0	40.2
4	65	62	75	160.7	130.6	141.0	61.2	43.8	46.3
5	69	62	73	171.5	133.6	140.3	66.7	50.2	41.4
6	67	65	71	155.6	-	129.3	57.8	-	47.2
7	71	66	70	165.2	141.9	130.3	61.3	67.7	45.5
8	68	65	71	156.5	142.0	132.5	66.8	68.8	41.5
Mean	67	64	72	159.5	140.2	130.3	60.3	59.3	44.8
St Dev	1.92	1.46	2.07	12.2	6.0	7.6	10.1	11.3	3.5

Location San Juan Bautista, California (open field)

sowing: 5/20/06

transplant: 6/09/06

Plt#	#Days Seed Stalk Emergence			Height Mature Seed Stalk (cm)			Spread of Bolter Plant (cm)		
	Chistera	Mendoza	Galactic	Chistera	Mendoza	Galactic	Chistera	Mendoza	Galactic
1	64	60	70	98.3	84.0	85.5	42.3	47.5	39.5
2	64	60	68	98.6	88.2	89.0	46.9	46.0	41.7
3	63	61	72	98.0	90.4	83.8	40.4	46.7	22.4
4	64	61	69	95.5	87.0	82.3	50.0	42.8	28.6
5	64	60	69	99.7	87.6	86.2	47.4	53.2	40.3
6	64	60	71	97.3	88.1	90.5	42.8	43.3	35.0
7	64	59	69	97.0	84.2	102.4	45.0	46.4	45.8
8	-	-	65	-	-	91.0	-	-	42.0
9	-	-	71	-	-	86.1	-	-	36.2
Mean	64	60	69	97.8	87.1	88.5	45.0	46.6	36.8
St.Dev	0.4	0.7	1.9	1.3	2.3	5.6	3.4	3.4	6.9

Location Soledad, California

sowing: 4/26/2006

Plt#	#Days Seed Stalk Emergence			Height Mature Seed Stalk (cm)			Spread of Bolter Plant (cm)		
	Chistera	Mendoza	Galactic	Chistera	Mendoza	Galactic	Chistera	Mendoza	Galactic
1	73	-	78	119.6	-	90.8	28.7	-	25.2
2	75	-	80	120.4	-	95.7	29.2	-	28.1
3	73	-	79	-	-	100.3	-	-	27.2
4	74	-	78	98.5	-	101.4	28.2	-	28.5
5	75	-	81	105.6	-	102.6	24.4	-	29.1
6	76	-	82	97.9	-	90.6	27.6	-	26.3
7	74	-	80	129.2	-	102.5	29.5	-	28.5
8	76	-	78	119.6	-	95.6	28.2	-	27.4
9	73	-	80	109.5	-	96.2	27.7	-	26.8
10	73	-	81	108.7	-	99.8	29.6	-	28.2
Mean	74	-	80	112.1	-	97.6	28.1	-	27.5
Stdev	1.2	-	1.4	10.7	-	4.5	1.6	-	1.2

- - Chistera

Seedling measurements at 4th leaf stage: Chistera, Mendoza, Galactic

Plt #	Chistera			Mendoza			Galactic		
	Length (cm)	Width (cm)	ratio (l/w*10)	Length (cm)	Width (cm)	ratio (l/w*10)	Length (cm)	Width (cm)	ratio (l/w*10)
1	12.65	5.86	21.59	10.00	5.65	17.70	10.51	6.52	16.12
2	12.10	5.88	20.58	10.55	5.10	20.69	10.82	6.08	17.80
3	13.62	5.90	23.08	11.40	5.58	20.43	10.93	5.80	18.84
4	14.05	5.98	23.49	10.52	5.22	20.15	11.70	6.18	18.93
5	12.34	5.24	23.55	9.64	4.66	20.69	10.83	5.79	18.70
6	13.80	6.00	23.00	11.50	6.15	18.70	10.55	7.19	14.67
7	13.12	5.90	22.24	10.88	5.85	18.60	9.76	6.08	16.05
8	13.87	6.51	21.31	10.58	5.78	18.30	10.53	5.95	17.70
9	12.47	5.98	20.85	9.77	5.52	17.70	11.20	5.63	19.89
10	12.52	5.72	21.89	9.83	5.21	18.87	9.76	5.48	17.81
11	12.60	5.69	22.14	9.33	4.62	20.19	10.90	6.46	16.87
12	12.30	5.80	21.21	10.26	5.50	18.65	10.32	6.62	15.59
13	12.30	5.05	24.36	11.67	6.02	19.39	10.33	6.30	16.40
14	13.28	5.18	25.64	11.05	5.60	19.73	9.97	6.32	15.78
15	11.55	5.20	22.21	9.08	4.93	18.42	9.90	6.26	15.81
16	13.50	6.60	20.45	10.18	4.97	20.48	10.06	6.52	15.43
17	12.84	5.35	24.00	8.90	4.74	18.78	11.34	6.48	17.50
18	12.58	6.19	20.32	8.88	4.46	19.91	10.92	6.17	17.70
19	12.40	6.12	20.26	10.27	5.50	18.67	10.88	7.14	15.24
20	12.08	4.90	24.65	8.80	5.16	17.05	10.77	5.85	18.41
Mean	12.80	5.75	22.34	10.15	5.31	19.16	10.60	6.24	17.06

- Chistera

SJB1 San Juan Bautista, California, REP 1
SJB2 San Juan Bautista, California, REP 2Complete Data Set: Chistera, Mendoza, Galactic
sowing: 5/20/06
transplant: 6/09/06
evaluation: 7/18/06
idem idem idem

Trial	Plot#	Spread of Frame Leaves (cm)			Weight (grams)			Plant Diameter (cm)			Plant Height (cm)			Width Leaf (cm)			Length Leaf (cm)			Core Length (mm)			Core Diameter (mm)		
		Chistera	Mendoza	Galactic	Chistera	Mendoza	Galactic	Chistera	Mendoza	Galactic	Chistera	Mendoza	Galactic	Chistera	Mendoza	Galactic	Chistera	Mendoza	Galactic	Chistera	Mendoza	Galactic	Chistera	Mendoza	Galactic
SJB1	1	37.6	37.2	38.2	191.2	232.2	241.4	26.5	26.8	32.6	30.8	32.7	22.5	14.6	15.7	17.5	20.7	21.3	18.8	196.8	272.3	84.3	18.1	19.1	19.5
SJB1	2	39.8	38.9	35.5	178.8	151.2	215.2	30.4	28.9	30.8	32.0	27.6	24.0	14.4	14.8	16.2	20.8	21.5	19.6	196.2	183.7	97.1	18.3	16.6	18.1
SJB1	3	38.7	39.7	33.7	167.0	220.0	178.2	29.8	30.0	33.8	31.0	34.0	21.0	13.8	17.0	16.9	20.1	21.2	17.8	199.6	277.3	90.8	19.0	17.4	18.2
SJB1	4	40.8	37.5	36.0	242.0	211.5	212.8	31.2	30.8	30.5	33.0	29.5	23.2	15.6	15.6	17.9	21.1	21.4	18.5	243.2	205.5	92.9	20.9	17.2	18.2
SJB1	5	40.1	40.1	39.4	190.1	204.1	251.8	30.8	32.0	33.9	33.0	29.5	24.9	14.5	14.5	20.0	21.0	21.0	19.7	197.1	174.0	92.0	18.2	17.7	16.7
SJB1	6	40.0	37.5	36.8	183.9	191.1	242.4	31.2	29.8	30.8	29.9	32.0	23.8	14.5	15.8	18.2	21.3	21.4	18.9	160.6	260.0	91.7	18.1	17.1	20.2
SJB1	7	41.5	40.8	35.2	208.8	257.1	249.4	29.5	33.1	32.8	35.3	32.5	34.2	15.0	17.9	18.2	21.3	22.0	18.2	305.5	253.5	98.2	19.7	19.0	18.3
SJB1	8	42.5	37.7	36.2	255.2	171.0	201.4	32.7	27.8	30.3	33.7	28.9	22.3	15.9	15.0	17.8	22.2	19.5	18.0	237.2	221.7	87.9	19.2	16.8	17.7
SJB1	9	39.9	42.2	35.0	221.1	225.6	200.0	31.0	29.9	29.3	35.2	30.5	22.8	15.0	15.1	18.1	21.0	20.7	17.9	248.5	221.5	85.5	19.5	17.9	16.9
SJB1	10	39.4	39.8	34.3	191.9	242.7	196.9	30.0	31.3	30.1	32.7	32.8	23.1	14.3	15.6	16.8	20.9	21.0	18.2	235.9	265.4	88.7	18.2	18.9	16.7
SJB1	11	38.0	40.0	34.9	184.6	239.2	242.3	30.3	30.2	30.6	30.5	30.7	24.8	14.4	16.2	18.3	19.9	20.8	18.1	238.0	250.4	91.7	17.6	18.7	16.8
SJB1	12	39.1	39.6	33.0	167.7	208.2	190.0	28.8	32.5	28.8	31.2	25.6	23.7	15.5	15.9	17.7	21.0	20.0	18.5	218.5	150.3	82.4	17.0	18.2	14.0
SJB1	13	37.8	40.5	35.2	146.6	245.5	225.1	31.0	30.2	31.3	30.6	31.8	22.5	14.6	15.3	18.2	19.8	19.8	17.2	220.7	259.7	82.9	16.8	18.4	17.8
SJB1	14	40.0	39.9	36.5	200.8	212.2	232.0	30.2	28.4	31.9	32.0	30.3	22.8	16.8	16.5	20.2	22.6	21.2	17.8	218.0	208.3	84.3	19.0	17.8	17.5
SJB1	15	37.9	42.5	39.7	160.0	250.0	243.1	29.3	32.6	32.2	30.4	32.7	23.0	13.7	18.0	17.9	20.0	23.3	19.0	193.5	252.2	76.2	15.7	20.3	19.3
SJB1	16	36.4	40.0	36.2	101.4	226.4	215.9	27.5	31.1	30.0	26.8	29.3	23.1	12.7	13.8	16.2	19.4	20.0	18.0	152.2	196.3	89.6	14.4	17.7	18.1
SJB1	17	35.5	39.6	36.9	179.8	173.2	220.3	30.7	29.8	29.9	30.0	32.0	25.2	13.8	16.0	18.1	19.3	20.7	19.2	186.3	261.3	98.8	17.3	16.1	20.5
SJB1	18	36.8	40.6	37.0	159.4	196.4	223.0	26.5	30.7	34.1	31.9	29.1	24.2	14.2	15.5	16.3	20.0	20.9	17.7	223.8	195.5	97.6	17.2	18.2	16.7
SJB1	19	38.0	39.4	34.8	211.7	187.9	194.0	26.6	32.2	29.9	33.3	28.3	22.8	14.5	16.0	16.4	21.1	20.2	17.4	231.8	171.2	106.0	16.4	17.2	16.3
SJB1	20	39.8	39.2	37.5	221.1	182.3	193.0	32.5	27.2	30.5	32.2	28.5	24.0	15.1	15.0	18.1	20.2	20.1	19.0	204.2	211.7	79.0	17.7	16.2	16.8
SJB2	1	39.8	35.9	39.5	209.2	162.5	347.2	31.4	29.5	35.2	32.1	30.6	26.9	14.7	15.2	19.7	18.6	20.6	19.5	196.8	242.9	141.1	20.2	18.3	21.1
SJB2	2	41.0	37.4	36.9	204.0	153.6	269.0	30.8	30.0	35.3	33.6	24.1	25.7	14.4	14.5	20.0	20.5	19.8	19.8	234.3	149.4	119.0	18.1	17.0	22.0
SJB2	3	44.0	39.1	36.8	249.9	242.5	260.8	31.2	30.7	32.9	33.4	29.8	26.2	15.0	15.2	19.2	22.2	20.7	18.0	238.2	202.3	175.6	19.9	18.7	18.4
SJB2	4	41.9	40.2	39.0	266.0	210.6	271.0	30.9	30.9	31.7	33.3	32.0	24.1	15.1	15.9	18.3	20.1	20.2	18.4	232.3	231.4	119.8	22.0	15.6	21.3
SJB2	5	39.0	34.3	38.0	230.5	123.9	306.8	31.2	28.1	33.6	33.0	27.3	24.9	16.6	13.7	18.6	21.7	17.9	19.8	213.9	197.0	141.6	17.6	14.2	19.7
SJB2	6	38.0	36.0	35.5	203.3	157.3	201.7	30.0	31.0	31.2	32.5	30.0	23.4	15.3	15.1	18.5	19.5	18.9	19.5	231.1	223.9	80.5	19.4	16.2	16.4
SJB2	7	43.7	40.5	35.8	259.5	246.5	221.6	31.5	30.5	29.4	36.1	35.8	24.6	15.7	16.0	17.0	22.4	21.5	18.1	295.4	327.9	115.2	21.7	17.4	14.9
SJB2	8	42.2	36.9	40.0	246.1	195.8	275.4	30.7	29.8	30.2	31.9	32.1	25.5	16.1	15.8	17.1	19.6	20.2	19.9	195.5	246.1	91.8	20.5	18.8	20.0
SJB2	9	40.1	41.0	35.3	200.9	288.7	222.0	29.0	29.6	31.3	33.1	32.5	22.5	15.9	17.7	17.3	19.8	20.5	19.1	220.5	254.1	98.9	16.2	19.4	16.9
SJB2	10	42.5	42.4	36.9	267.5	254.9	245.9	31.3	30.4	32.0	32.8	33.3	24.2	14.8	16.3	17.9	18.7	22.5	18.7	219.6	270.5	94.0	21.6	20.0	20.0
SJB2	11	39.3	39.1	36.0	254.9	195.5	231.1	28.8	32.5	27.6	34.1	31.2	22.8	15.4	15.0	18.7	21.0	20.6	18.6	286.6	238.8	101.2	20.5	20.2	16.1
SJB2	12	39.0	40.2	34.8	193.1	214.8	192.8	30.2	30.8	28.6	32.0	30.8	21.8	14.2	15.0	18.2	20.3	19.2	17.1	221.2	232.5	77.9	16.8	19.5	18.1
SJB2	13	41.5	39.5	37.1	197.5	197.1	193.0	28.8	31.0	31.0	31.7	28.0	23.0	14.7	15.8	17.8	21.3	20.3	18.0	222.0	178.1	93.9	20.2	17.2	14.9
SJB2	14	41.5	39.2	40.0	283.1	207.9	296.6	32.1	28.3	33.9	34.1	32.0	25.2	15.8	16.0	21.0	19.8	19.9	19.0	221.6	281.2	149.5	18.2	17.1	20.4
SJB2	15	36.3	38.6	38.1	153.3	204.8	246.9	27.2	28.9	33.0	29.2	31.3	24.5	14.0	16.1	18.0	18.5	18.4	19.3	174.6	221.7	109.8	17.1	19.2	20.8
SJB2	16	39.2	39.5	35.0	232.7	177.8	201.9	29.0	29.6	28.3	32.3	30.8	26.2	15.9	15.5	18.3	20.3	20.4	18.0	217.0	249.5	91.2	18.2	18.9	15.9
SJB2	17	40.3	34.2	35.9	210.8	157.4	300.4	30.0	29.5	33.3	33.2	28.3	26.2	15.2	15.0	19.0	20.1	18.0	19.9	214.3	219.7	110.0	18.7	18.5	20.6
SJB2	18	38.5	37.9	39.2	183.3	199.3	262.0	28.8	30.0	33.0	32.4	30.8	24.4	15.8	15.7	18.0	20.5	20.1	18.9	231.8	248.3	104.3	18.4	18.2	18.8
SJB2	19	40.4	39.7	36.9	231.4	186.0	264.4	33.5	30.6	34.0	34.7	32.6	24.3	16.4	15.8	18.8	21.1	20.1	19.0	248.8	267.5	96.9	19.0	19.0	17.9
SJB2	20	42.1	40.7	35.3	186.4	213.7	224.8	29.7	30.3	30.9	30.8	31.9	22.1	15.5	16.1	19.4	21.5	20.3	17.9	187.2	254.8	91.0	18.8	19.8	19.6
Mean		39.7	39.1	36.7	206.2	206.0	235.1	30.1	30.2	31.5	32.3	30.6	24.1	15.0	15.7	18.1	20.5	20.5	18.6	220.3	230.7	100.0	18.5	18.0	18.2
St.Dev.		2.0	1.9	1.8	39.2	33.3	37.1	1.6	1.4	1.9	1.8	2.3	2.1	0.9	0.9	1.1	1.0	1.1	0.8	31.3	38.4	20.9	1.7	1.3	1.9

- Chistera

Statistical analysis: Chistera vs Galactic

SJB1 San Juan Bautista, California, REP 1 sowing: 5/20/06 transplant: 6/09/06 evaluation: 7/18/06
 n = 20, F(.05) = 3.97, F(.01) = 6.98
 SJB2 San Juan Bautista, California, REP 2 idem idem idem
 idem

Trial:	SJB 1		SJB 2	
	Chistera	Galactic	Chistera	Galactic
<u>Spread of Frame Leaves (cm):</u>				
Mean	38.98	36.10	40.52	37.30
Std Dev.	1.74	1.74	1.95	1.80
ANOVA (F calc.):	Rep = 11.42**			
	Var = 56.8**			
	Rep x Var = 0.17			
<u>Weight (grams):</u>				
Mean	188.21	218.41	224.17	251.77
Std Dev.	34.58	22.26	35.73	41.69
ANOVA (F calc.):	Rep = 20.42**			
	Var = 14.2**			
	Rep x Var = 0.03			
<u>Plant Diameter (cm):</u>				
Mean	29.83	31.21	30.31	31.82
Std Dev.	1.83	1.56	1.45	2.21
ANOVA (F calc.):	Rep = 1.87			
	Var = 13.1**			
	Rep x Var = 0.09			
<u>Plant Height (cm):</u>				
Mean	31.78	23.90	32.82	24.27
Std Dev.	1.95	2.62	1.45	1.44
ANOVA (F calc.):	Rep = 2.67			
	Var = 362.6**			
	Rep x Var = 0.6			
<u>Width Leaf (cm):</u>				
Mean	14.65	17.75	15.33	18.54
Std Dev.	0.89	1.10	0.72	0.99
ANOVA (F calc.):	Rep = 12.38**			
	Var = 228.98**			
	Rep x Var = 0.07			
<u>Length Leaf (cm):</u>				
Mean	20.69	18.38	20.38	18.83
Std Dev.	0.86	0.70	1.12	0.80
ANOVA (F calc.):	Rep = 0.13			
	Var = 95.5**			
	Rep x Var = 3.7			
<u>Core Length (mm):</u>				
Mean	215.48	89.88	225.14	110.16
Std Dev.	33.60	7.39	28.78	25.03
ANOVA (F calc.):	Rep = 6.79*			
	Var = 438.75**			
	Rep x Var = 0.86			
<u>Core Diameter (mm):</u>				
Mean	17.92	17.72	19.16	18.69
Std Dev.	1.48	1.49	1.65	2.21
ANOVA (F calc.):	Rep = 8.17**			
	Var = 0.74			
	Rep x Var = 0.12			

Chistera

Statistical analysis: Chistera vs Mendoza

SJB1 San Juan Bautista, California, REP 1 sowing: 5/20/06 transplant: 6/09/06 evaluation: 7/18/06
 n = 20, F(.05) = 3.97, F(.01) = 6.98
 SJB2 San Juan Bautista, California, REP 2 idem idem idem
 idem

Trial:	SJB 1		SJB 2	
	Chistera	Mendoza	Chistera	Mendoza
<u>Spread of Frame Leaves (cm):</u>				
Mean	38.98	39.64	40.52	38.62
Std Dev.	1.74	1.41	1.95	2.22
ANOVA (F calc.):	Rep = 0.38			
	Var = 2.25			
	Rep x Var = 9.47**			
<u>Weight (grams):</u>				
Mean	188.21	211.39	224.17	200.53
Std Dev.	34.58	29.24	35.73	36.88
ANOVA (F calc.):	Rep = 2.69			
	Var = 0.00			
	Rep x Var = 9.35**			
<u>Plant Diameter (cm):</u>				
Mean	29.83	30.27	30.31	30.10
Std Dev.	1.83	1.79	1.45	1.01
ANOVA (F calc.):	Rep = 0.21			
	Var = 0.11			
	Rep x Var = 0.86			
<u>Plant Height (cm):</u>				
Mean	31.78	30.42	32.82	30.76
Std Dev.	1.95	2.13	1.45	2.48
ANOVA (F calc.):	Rep = 2.31			
	Var = 14.04**			
	Rep x Var = 0.58			
<u>Width Leaf (cm):</u>				
Mean	14.65	15.76	15.33	15.57
Std Dev.	0.89	1.03	0.72	0.81
ANOVA (F calc.):	Rep = 1.59			
	Var = 12.23**			
	Rep x Var = 5.01*			
<u>Length Leaf (cm):</u>				
Mean	20.69	20.90	20.38	20.01
Std Dev.	0.86	0.86	1.12	1.11
ANOVA (F calc.):	Rep = 7.33**			
	Var = 0.12			
	Rep x Var = 1.73			
<u>Core Length (mm):</u>				
Mean	215.48	224.59	225.14	236.88
Std Dev.	33.60	38.31	28.78	38.38
ANOVA (F calc.):	Rep = 1.97			
	Var = 1.78			
	Rep x Var = 0.03			
<u>Core Diameter (mm):</u>				
Mean	17.92	17.83	19.16	18.16
Std Dev.	1.48	1.06	1.65	1.57
ANOVA (F calc.):	Rep = 5.84*			
	Var = 2.77			
	Rep x Var = 1.93			

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) ENZA ZADEN BEHEER B.V.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER E19.2586	3. VARIETY NAME CHISTERA
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) HALING 1E, 1602 DB ENKHUIZEN PO Box 7, 1600 AA ENKHUIZEN THE NETHERLANDS	5. TELEPHONE (Include area code) +31.228.315.844	6. FAX (Include area code) +31.228.315.854
7. PVPO NUMBER 200700004		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain.



YES



NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country.



YES



NO

THE NETHERLANDS

10. Is the applicant the original owner?



YES



NO

If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?



YES



NO

If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?



YES



NO

If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

EXHIBIT F
DECLARATION REGARDING DEPOSIT

NAME OF OWNER (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	TEMPORARY OR EXPERIMENTAL DESIGNATION
ENZA ZADEN BEHEER B.V.	HALING 1E, 1602 DB ENKHUIZEN PO BOX 7, 1600 AA ENKHUIZEN THE NETHERLANDS	E19.2586
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	VARIETY NAME
AERNOUDT AARDSE	P.O. Box 866 525 LUCY BROWN LANE SAN JUAN BAPTISTA, CA 95045	CHISTERA
		FOR OFFICIAL USE ONLY
		PVPO NUMBER
		200700004

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Signature

Date

10/04/2006